From the INTERNATIONAL SEARCHING AUTHORITY

To: SHMUEL LIVNAT MCKENNA LONG & ALDRIDGE LLP 1900 K STREET, N.W. WASHINGTON, DC 20006	PCT NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION (PCT Rule 44.1)		
Applicant's or agent's file reference	Date of mailing (dvy/month/year) 25 MAR 2005 FOR FURTHER ACTION See paragraphs 1 and 4 below		
2240-201352 International application No.	FOR FURTHER ACTION See paragraphs 1 and 4 below International filing date		
PCT/US04/05292	(day/month/year) 24 February 2004 (24.02.2004)		
Applicant THE JOHN HOPKIN UNIVERSITY			
The applicant is hereby notified that the international sear have been established and are transmitted herewith. Filing of amendments and statement under Article 19:	ch report and the written opinion of the International Searching Authority		
The applicant is entitled, if he so wishes, to amend the clar			
When? The time limit for filing such amendments is search report.	normally two months from the date of transmittal of the international		
Where? Directly to the International Bureau of WIPO 1211 Geneva 20, Switzerland, Facsimile No.			
For more detailed instructions, see the notes on the ac	ccompanying sheet.		
2. The applicant is hereby notified that no international search Article 17(2)(a) to that effect and the written opinion of the	h report will be established and that the declaration under e International Searching Authority are transmitted herewith.		
3. With regard to the protest against payment of (an) addit	ional fee(s) under Rule 40.2, the applicant is notified that:		
the protest together with the decision thereon has bee request to forward the texts of both the protest and the	n transmitted to the International Bureau together with the applicant's ne decision thereon to the designated Offices.		
no decision has been made yet on the protest; the app	licant will be notified as soon as a decision is made.		
4. Reminders			
Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.			
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.			
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.			
In respect of other designated Offices, the time limit of 30 months	(or later) will apply even if no demand is filed within 19 months.		
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide Volume II, National Chapters and the WIPO Internet site.			
Name and mailing address of the ISA/ US Mail Stop PCT, Attn: ISA/US	Authorized officer Jamelan Shabarmly		
Commissioner for Patents	Amy J Nelson		
P.O. Box 1450 Alexandria, Virginia 22313-1450	Telephone No. (571) 272-0547		

Facsimile No. (703) 305-3230 Form PCT/ISA/220 (January 2004)

(See notes on accompanying sheet)

02240.201352 JHV-16/PCT 37L

From the INTERNATIONAL SEARCHING AUTHORITY

To: SHMUEL LIVNAT MCKENNA LONG & ALDRIDGE LLP 1900 K STREET, N.W. WASHINGTON, DC 20006	PCT NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION (PCT Rule 44.1)
	Date of mailing (day/month/year)
Applicant's or agent's file reference 2240-201352	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US04/05292	International filing date (day/month/year) 24 February 2004 (24.02.2004)
Applicant THE JOHN HOPKIN UNIVERSITY	
The applicant is hereby notified that the international sea have been established and are transmitted herewith.	urch report and the written opinion of the International Searching Authority
Filing of amendments and statement under Article 19 The applicant is entitled, if he so wishes, to amend the cla	
When? The time limit for filing such amendments is search report.	s normally two months from the date of transmittal of the international
Where? Directly to the International Bureau of WIPO 1211 Geneva 20, Switzerland, Facsimile No	
For more detailed instructions, see the notes on the	accompanying sheet.
	rch report will be established and that the declaration under the International Searching Authority are transmitted herewith.
3. With regard to the protest against payment of (an) addi	itional fee(s) under Rule 40.2, the applicant is notified that:
the protest together with the decision thereon has be request to forward the texts of both the protest and t	een transmitted to the International Bureau together with the applicant's the decision thereon to the designated Offices.
no decision has been made yet on the protest; the ap	oplicant will be notified as soon as a decision is made.
4. Reminders	
Bureau. If the applicant wishes to avoid or postpone publication	te, the international application will be published by the International on, a notice of withdrawal of the international application, or of the n Rules 90bis.1 and 90bis.3, respectively, before the completion of the
	the written opinion of the International Searching Authority to the by of such comments to all designated Offices unless an international. These comments would also the property of the comments would also the comments would be commented with the commented would be commented with the commented would be commented with the commented with the commented would be commented with the commented with the commented would be commented with the commented would be commented with the comment
Within 19 months from the priority date, but only in respect examination must be filed if the applicant wishes to postpone the (in some Offices even later); otherwise, the applicant must, with entry into the national phase before those designated Offices.	
In respect of other designated Offices, the time limit of 30 month	ns (or later) will apply even f ad demand is filed within 19 morths.
See the Annex to Form PCT/IB/301 and, for details about the ap Volume II, National Chapters and the WIPO Internet site.	oplicable time limits, Office by Office see the PCHAmptonia's Child, DATE DOCKETED: 9/1/105
Name and mailing address of the ISA/ US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230 Form PCT/ISA/220 (January 2004)	Authorized officer Amy J Nelson Telephone No. [57] 272-0547 FINAL DATE: 5/25/05 (See notes on accompanying sheet)
omi 1 C1/13/2/20 (Janua y 2004)	ATTORNEY CONFIRMATION: MCKENNA LONG & ALDRIDGE

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 2240-201352	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US04/05292	International filing date (day 24 February 2004 (24.02.20)		(Earliest) Priority Date (day/month/year) 24 February 2003 (24.02.2003)
Applicant THE JOHN HOPKIN UNIVERSITY			
according to Article 18. A copy is being This international search report consists	transmitted to the Internation	nal Bureau.	ithority and is transmitted to the applicant in this report.
language in which it was filed, u	nless otherwise indicated under search was carried out on the	this item.	is of the international application in the
b. With regard to any nucleoti	de and/or amino acid sequenc	e disclosed in the	ne international application, see Box No. I.
/ =	unsearchable (See Box No. II)	
3. Unity of invention is lacking. 4. With regard to the title,	g (See Box No. III)		
the text is approved as subm	itted by the applicant.		
the text has been established	by this Authority to read as fo	llows:	
5. With regard to the abstract,			
the text is approved as subm	itted by the applicant.		
			as it appears in Box No. IV. The applicant report, submit comments to this Authority.
	applicant. uthority, because the applicant uthority, because this figure be	failed to sugge	st a figure.
Form PCT/ISA/210 (first shoot) (Innuary 200		_	

Form PCT/ISA/210 (first sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/05292

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)				
This international	search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
	ms Nos.: hase they relate to subject matter not required to be searched by this Authority, namely:			
beca	ms Nos.: use they relate to parts of the international application that do not comply with the prescribed requirements to such stent that no meaningful international search can be carried out, specifically:			
	ms Nos.: 29,30,31,42,66,67 use they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box No. III O	bservations where unity of invention is lacking (Continuation of item 3 of first sheet)			
This International S	earching Authority found multiple inventions in this international application, as follows:			
	l required additional search fees were timely paid by the applicant, this international search report covers all hable claims.			
	I searchable claims could be searched without effort justifying an additional fee, this Authority did not invite ent of any additional fee.			
3. As or	aly some of the required additional search fees were timely paid by the applicant, this international search report sonly those claims for which fees were paid, specifically claims Nos.:			
	quired additional search fees were timely paid by the applicant. Consequently, this international search report is sted to the invention first mentioned in the claims; it is covered by claims Nos.:			
Remark on Protest	The additional search fees were accompanied by the applicant's protest.			
	No protest accompanied the payment of additional search fees.			

Form PCT/ISA/210 (continuation of first sheet(2)) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.

			PCT/US04/05292		
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C12N 15/00; A01N 43/04; C07H 21/02 US CL : 435/320.1;514/44; 536/23.1; According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIEL	DS SEARCHED				
	ocumentation searched (classification system followed l 35/320.1;514/44; 536/23.1;	by classification symbol	s)		
Documentati	on searched other than minimum documentation to the	extent that such docum	ents are included in	the fields searched	
	ata base consulted during the international search (name ontinuation Sheet	e of data base and, wher	e practicable, search	n terms used)	
C. DOCI	UMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where a	ppropriate, of the releva	int passages	Relevant to claim No.	
XP	KIM et al. Enhancing DNA vaccine potency by coad apoptotic proteins. J. Clin. Invest. July 2003. Vol. 11 document			1-28,32-41,43-65	
ХР	KIM et al. Enhancing DNA Vaccine Potency by Combining a strategy to Prolong Dendritic Cell Life with Intracellular Targeting Strategies. J. Immunol. September 2003. Vol 171, No. 6, pages 2970-2976, see entire document			1-28,32-41,43-65	
Y	US 20020091246 A1 (PARDOLL et al.) 11 July 2002 (11.7.2002), see entire document			1-28,32-41,43-65	
Y	US 5,834,309 (THOMPSON et al.) 10 November 1998 (10.11.1998), see entire document			1-28,32-41,43-65	
A	Co-transfection with cDNA encoding the Bcl family efficeincy of transfection in primary fetal neural stem 2002, Vol. 117, No. 2, pages 153-158, see entire doc	cells. J. Neurosceince r		1-28,32-41,43-65	
Further	documents are listed in the continuation of Box C.	See patent f	amily annex.		
•	ecial categories of cited documents: defining the general state of the art which is not considered to be of relevance	date and not in		national filing date or priority tion but cited to understand the tion	
"E" earlier app	lication or patent published on or after the international filing date	considered no		laimed invention cannot be ed to involve an inventive step	
'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as "Y" document of particular relevance; the specified) considered to involve an inventive sombined with one or more others.		nvolve an inventive step	when the document is		
"O" document	referring to an oral disclosure, use, exhibition or other means		to a person skilled in the	•	
priority date claimed			nber of the same patent f		
Date of the actual completion of the international search Date of mailing of the international search report MAR 2005			1 report		
	Name and mailing address of the ISA/US Authorized officer January Authorized officer				
	Stop PCT, Attn: ISA/US	<i>u</i>	anula sna	Murror	
Com	missioner for Patents	Amy J Nelson			
	Box 1450 andria, Virginia 22313-1450	Telephone No. (571) 272-0547			

Form PCT/ISA/210 (second sheet) (January 2004)

Facsimile No. (703) 305-3230

INTERNATIONAL SEARCH REPORT	PCT/US04/05292
	•
	·
Continuation of B. FIELDS SEARCHED Item 3: East: USPATFULL, USPGPUB, EPO, DERWENT STN: File Medline	
Search terms:anti-apoptotic, BCL-x, vaccine, co-transfection	

International application No.

Form PCT/ISA/210 (extra sheet) (January 2004)

INTERNATIONAL SEARCHING AUTHORITY To: SHMUEL LIVNAT MCKENNA LONG & ALDRIDGE LLP 1900 K STREET, N.W. WRITTEN OPINION OF THE WASHINGTON, DC 20006 INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTEER ACTION See paragraph 2 below 2240-201352 International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/US04/05292 24 February 2004 (24.02.2004) 24 February 2003 (24.02.2003) International Patent Classification (IPC) or both national classification and IPC IPC(7): C12N 15/00; A01N 43/04; C07H 21/02 and US Cl.: 435/320.1;514/44; 536/23.1; Applicant THE JOHN HOPKIN UNIVERSITY 1. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application 2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. 3. For further details, see notes to Form PCT/ISA/220. Authorized officer (Name and mailing address of the ISA/ US Mail Stop PCT, Attn: ISA/US Amy J Nelson Commissioner for Patents

Telephone No. (571) 272-0547

Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (January 2004)

Alexandria, Virginia 22313-1450

P.O. Box 1450

From the

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International	application	No.

PCT/US04/05292

Box No. I Basis of this opinion
1. With regard to the language, this opinion has been established on the basis of the international application in the language in which i was filed, unless otherwise indicated under this item.
This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
in written format
in computer readable form
c. time of filing/furnishing
contained in international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/05292

	No. III Non-establishment of opinion with reg ard to novelty, inventive step and industrial applicability
	he questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be dustrially applicable have not been examined in respect of:
_	the entire international application
	claims Nos. <u>29-31,42,66 and 67</u>
be	ecause:
	the said international application, or the said claim Nos relate to the following subject matter which does not require an international preliminary examination (specify):
_	7
	the description, claims or drawings (indicate particular elements below) or said claims Nos. 29-31,42,66 and 67 are so unclear that no meaningful opinion could be formed (specify):
	Claims 29, 30, 31, 42, 66, and 67 were not examined because they are dependent claims not drafted in accordance
	with the second and third sentences of Rule 6.4(a).
	the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed.
L	no international search report has been established for said claims Nos
	the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:
	the written form has not been furnished
	does not comply with the standard
	the computer readable form has not been furnished does not comply with the standard
	does not comply with the standard
	the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.
	See Supplemental Box for further details.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/05292

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 1. Statement Novelty (N) Claims <u>1-28, 32-41, 43-65</u> _YES Claims NONE _NO Claims 10,14,20-28,40,41,53 and 55 YES Inventive step (IS) Claims <u>1-9,11-13,15-19,32-39,43-52,54 and 56-65</u> NO Claims 1-28,32-41 and 43-65 Industrial applicability (IA) _YES Claims NONE _NO 2. Citations and explanations: Please See Continuation Sheet

International application No. PCT/US04/05292

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

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Supplemental Box
In case the space in any of the preceding boxes is not sufficient.

V. 2. Citations and Explanations:

Claims 1-9,11-13,15-19,32-39,43-52,54 and 56-65 lack an inventive step under PCT Article 33(3) as being obvious over US patent 5,834,309 (September 24 2002), hereafter referred to as THOMPSON et al., in view of US patent application US 20020091246 A1 (July 11 2002), hereafter referred to as PARDOLL et al.

THOMPSON et al., provides guidance on the use of a vector encoding an anti-apoptotic protein, such as human BCL-2 (pgph 2, 8) or BCl-x (pgph 11). Where the vector encoded anti-apoptotic protein (pgph2) promotes or inhibits cell death (pgph 8). THOMPSON et al., also teaches that the vector comprises a polynucleotide coding sequence operatively linked to an enhancer-promoter. (pgph 11), suspended in a pharmaceutically acceptable carrier such as saline (pgph 161). Further, THOMPSON et al., teaches the administration of the vector to tumor targets (pgph 39) leukocytes, tumor infiltrating lymphocytes and T cells (pgph 148). Tumor infiltrating lymphocytes included dendritic cells and other APCs. The expression of bcl-2 and bcl-x during T cell development and activation is important for T cell survival (pgphs, 165, 188, 191).

PARDOLL et al. teaches the administration of a vaccine composition comprising an expression vector for T cell activation (pgphs 20, 27) against viral or cancer antigens (pgphs 137, 141). Where the vector is a plasmid or a viral vector (pgph 40) that encodes any of the following: the Flt-3 ligand (pgph 152); the HSV-1 protein VP22; and VP22 linked to the HPV E7 antigen (pgph 153). Where the vector includes a promoter region, which can function as a tissue specific promoter operably linked to the encoded protein (pgph 63). Where the vaccine is injected into a mammal, such as a human (phph114, 160) intradermally, intravenously, intramuscularly, intrathecally, or subcutaneously (pgph 120) in a pharmaceutically acceptable carrier (pgph 123).

Based on the guidance provided by PARDOLL et al., it would be obvious to the person of ordinary skill in the art at the time the invention was made to modify the teachings of THOMPSON et al., by administering a vaccine composition comprising both the vector encoding an immunogen taught by PARDOLL et al. and vector encoding a anti-apoptotic protein taught by THOMPSON et al., or a vaccine composition comprising a single plasmid encoding both the immunogen and the anti-apoptotic protein to a human intratumorally in order to treat cancer. The practitioner would be motivated to administer a vaccine composition comprising polynucleotides encoding both an immunogen and an anti-apoptotic protein in order to stimulate a T cell response with the immunogen and to prolong the survival of activated T-cells with the anti-apoptotic protein. A practitioner would have a reasonable expectation of success because administering a vaccine composition comprising either a single vector encoding the immunogen taught by PARDOLL et al. and the ant-apoptotic protein taught by THOMPSON et al., or vaccine composition comprising separate vectors encoding each protein would be a minor modification of the compositions taught by PARDOLL et al. and by THOMPSON et al. Administration of vaccine compositions that encode multiple proteins is well known in the field.

Claims 10, 14, 20-28, 40-41, 53, and 55 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest that the epitope is between 8 and 11 amino acid residues in length, or that the pathogen is a bacterium, or that the composition is administered by particle bombardment.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged:
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- 1. [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originælly there were 15 claims and after amendment of all claims there are 11]:
 "Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 - "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
 - "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]:
 "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the Language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submutted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated elected Office, see the PCT Applicant's Guide, Volume II.

NOTESTO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions. Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.